

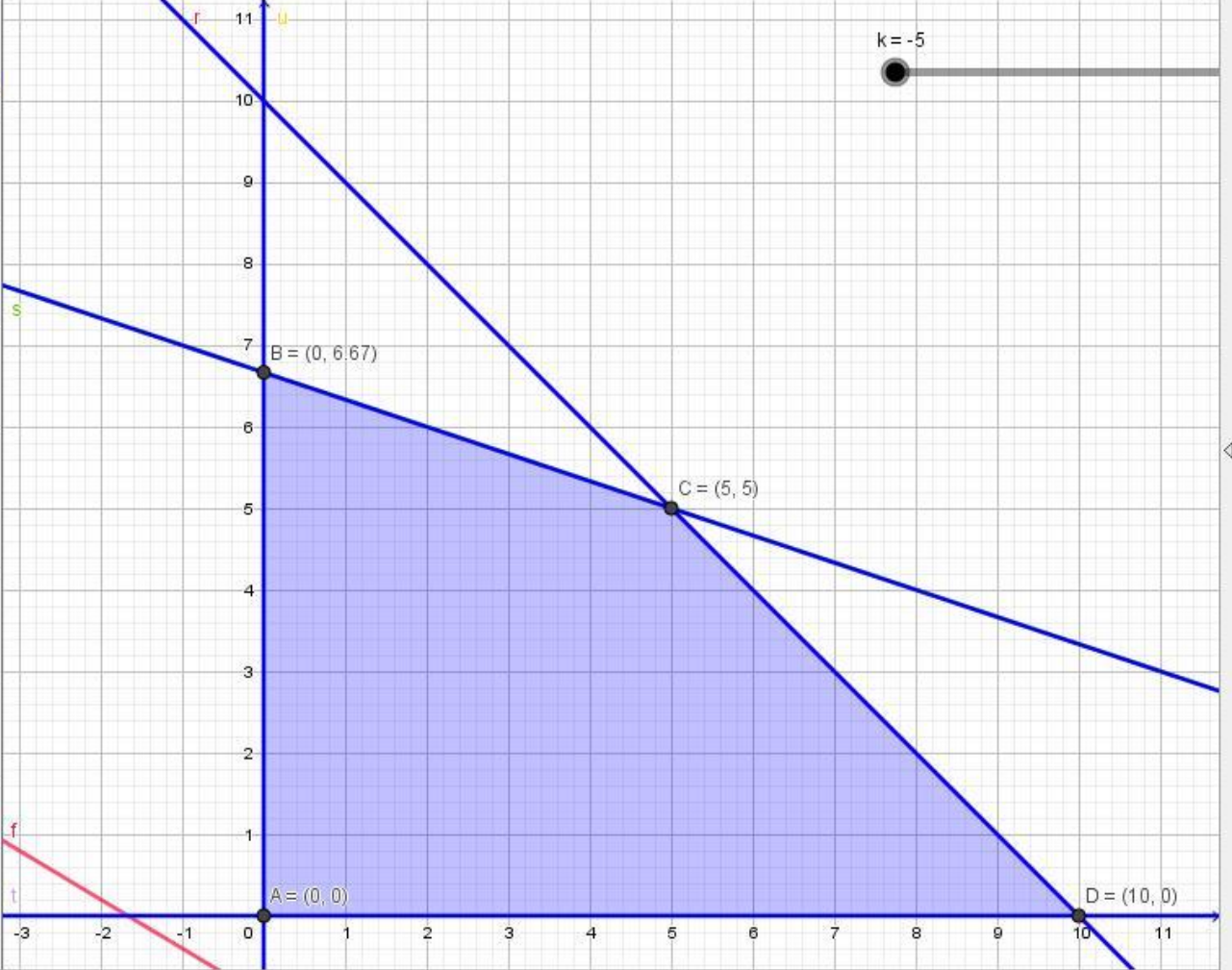
Vista Algebraica

- Inecuación
 - a : $10 \geq x + y \wedge 2$
- Número
 - k = -5
- Punto
 - A = (0, 0)
 - B = (0, 6.67)
 - C = (5, 5)
 - D = (10, 0)
 - E = (0, 10)
 - F = (20, 0)
- Recta
 - f : $3x + 5y = -5$
 - r : $x + y = 10$
 - s : $x + 3y = 20$
 - t : $y = 0$
 - u : $x = 0$

Cálculo Simbólico (CAS)

- 1 $a(x,y) := (x+y \leq 10) \wedge (x+3y \leq 20) \wedge (y \geq 0) \wedge (x \geq 0)$
- $\rightarrow a(x,y) := 10 \geq x + y \wedge 20 \geq x + 3y \wedge y$
- 2 f: $3x + 5y = k$
- $\rightarrow f : 3x + 5y = -5$
- 3 $3x + 5y$
- $\checkmark 3x + 5y$
- 4 \$3
- Sustituye, x=0,y=0: 0
- 5 $3x + 5y$
- Sustituye, x=0,y=6.67: $\frac{667}{20}$
- 6 $3x + 5y$
- Sustituye, x=5,y=5: 40
- 7 $3x + 5y$
- Sustituye, x=10,y=0: 30
- 8

Vista Gráfica





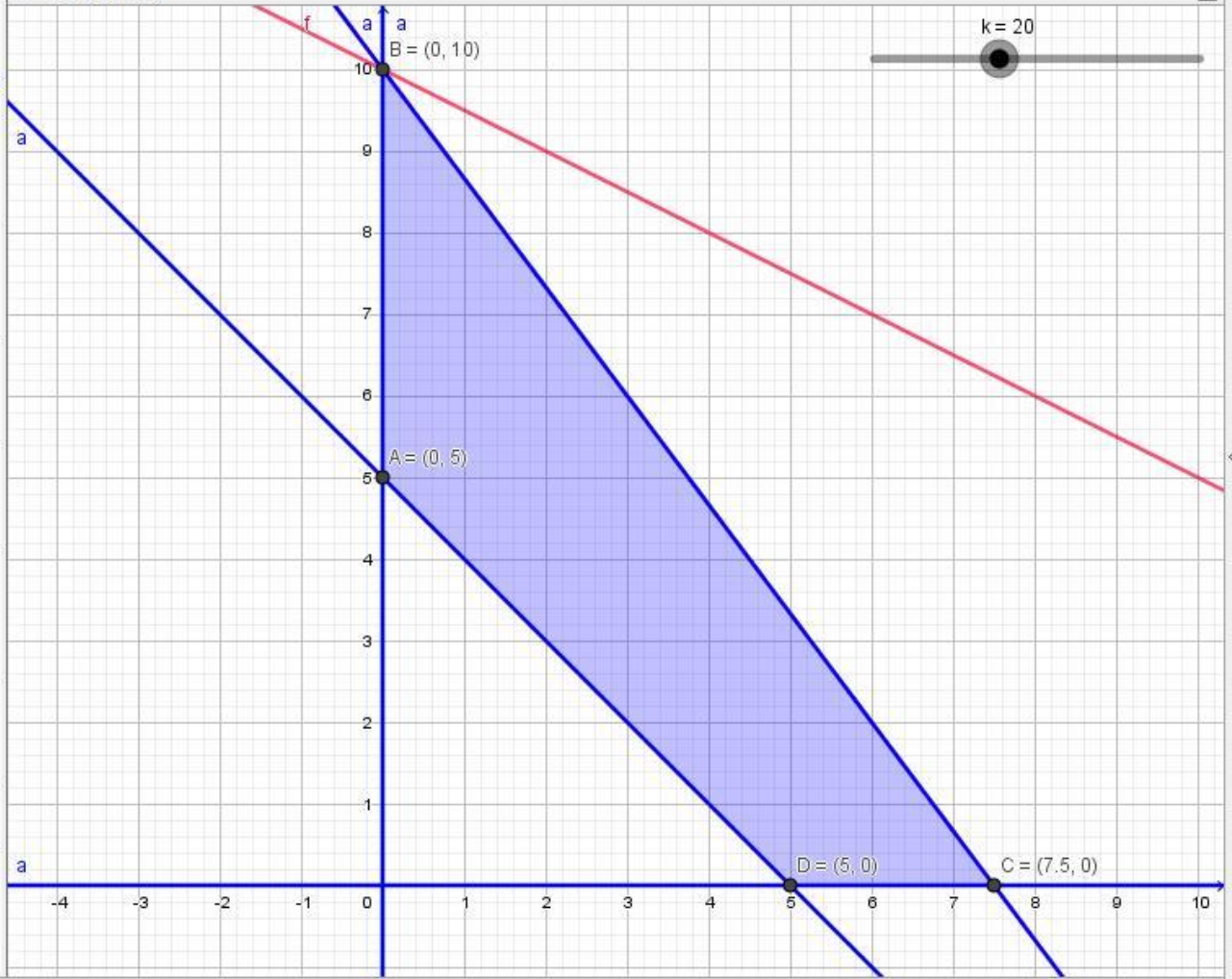
Vista Algebraica

Cálculo Simbólico (CAS)

Vista Gráfica

- Inecuación
 - a: $x \geq 0 \wedge y \geq 0$
- Número
 - k = 20
- Punto
 - A = (0, 5)
 - B = (0, 10)
 - C = (7.5, 0)
 - D = (5, 0)
 - E = (0, 0)
 - F = (15, -10)
- Recta
 - f: $x + 2y = 20$
 - r: $x = 0$
 - s: $y = 0$
 - t: $x + y = 5$
 - u: $4x + 3y = 30$

1	$a(x,y) := (x \geq 0) \wedge (y \geq 0) \wedge (x + y \geq 5) \wedge (4x + 3y \leq 30)$
<input checked="" type="radio"/>	$\rightarrow a(x,y) := x \geq 0 \wedge y \geq 0 \wedge x + y \geq 5 \wedge 3$
2	f: $x + 2y = k$
<input checked="" type="radio"/>	$\rightarrow f: x + 2y = 20$
3	$x + 2y$
<input type="radio"/>	<input checked="" type="radio"/> $x + 2y$
4	$x + 2y$
<input type="radio"/>	Sustituye, $x=0, y=5$: 10
5	$x + 2y$
<input type="radio"/>	Sustituye, $x=0, y=10$: 20
6	$x + 2y$
<input type="radio"/>	Sustituye, $x=7.5, y=0$: $\frac{15}{2}$
7	$x + 2y$
<input type="radio"/>	Sustituye, $x=5, y=0$: 5
8	





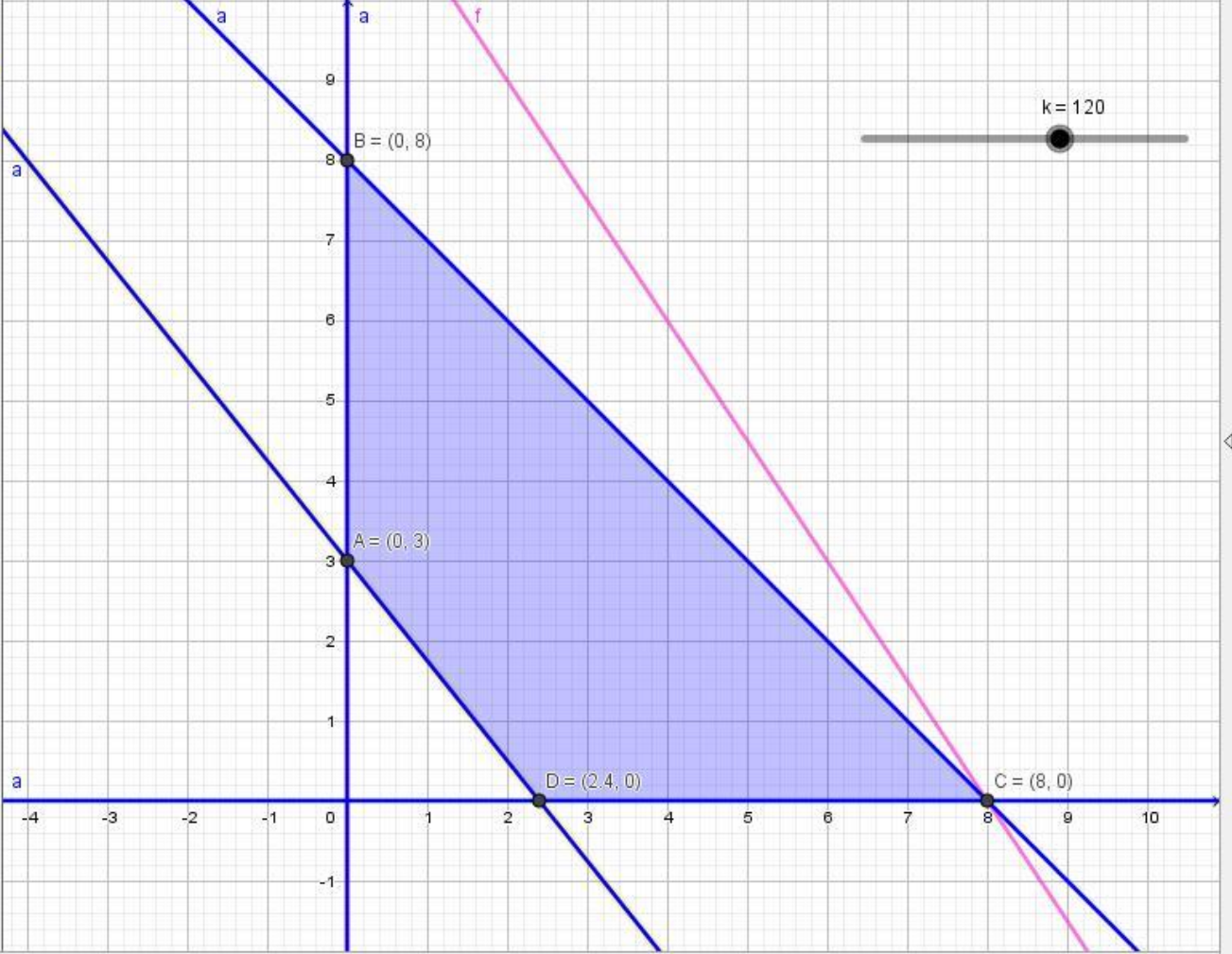
Vista Algebraica

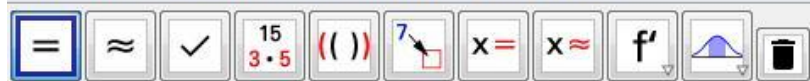
- Inecuación
 - a: $8 \geq x + y \wedge 5$
- Número
 - k = 120
- Punto
 - A = (0, 3)
 - B = (0, 8)
 - C = (8, 0)
 - D = (2.4, 0)
 - E = (0, 0)
 - F = (-20, 28)
- Recta
 - f: $15x + 10y = 120$
 - r: $x = 0$
 - s: $y = 0$
 - t: $x + y = 8$
 - u: $5x + 4y = 12$

Cálculo Simbólico (CAS)

- 1 $a(x,y) := (x+y \leq 8) \wedge (5x+4y \geq 12) \wedge (x \geq 0) \wedge (y \geq 0)$
 $\rightarrow a(x,y) := 8 \geq x + y \wedge 5x + 4y \geq 12$
- 2 $f: 15x + 10y = k$
 $\rightarrow f: 15x + 10y = 120$
- 3 $15x + 10y$
 $\checkmark 15x + 10y$
- 4 $15x + 10y$
 Sustituye, $x=0, y=3$: **30**
- 5 $15x + 10y$
 Sustituye, $x=0, y=8$: **80**
- 6 $15x + 10y$
 Sustituye, $x=8, y=0$: **120**
- 7 $15x + 10y$
 Sustituye, $x=2.4, y=0$: **36**
- 8

Vista Gráfica





► Cálculo Simbólico (CAS)

1 $a(x,y):=(y \leq 2) \wedge (x > -4) \wedge (x - y < 3)$
● $\rightarrow a(x,y) := 2 \geq y \wedge x > -4 \wedge 3 > x - y$



► Vista Algebraica

- Inecuación
 - $a : 2 \geq y \wedge x > -4 \wedge 3 > x - y$
- Punto
 - $A = (-4, 2)$
 - $B = (5, 2)$
 - $C = (-4, -7)$
- Recta
 - $r: y = 2$
 - $s: x = -4$
 - $t: x - y = 3$

► Vista Gráfica

